Defense Cost and Resource Center

EVM Central Repository Pilot Study

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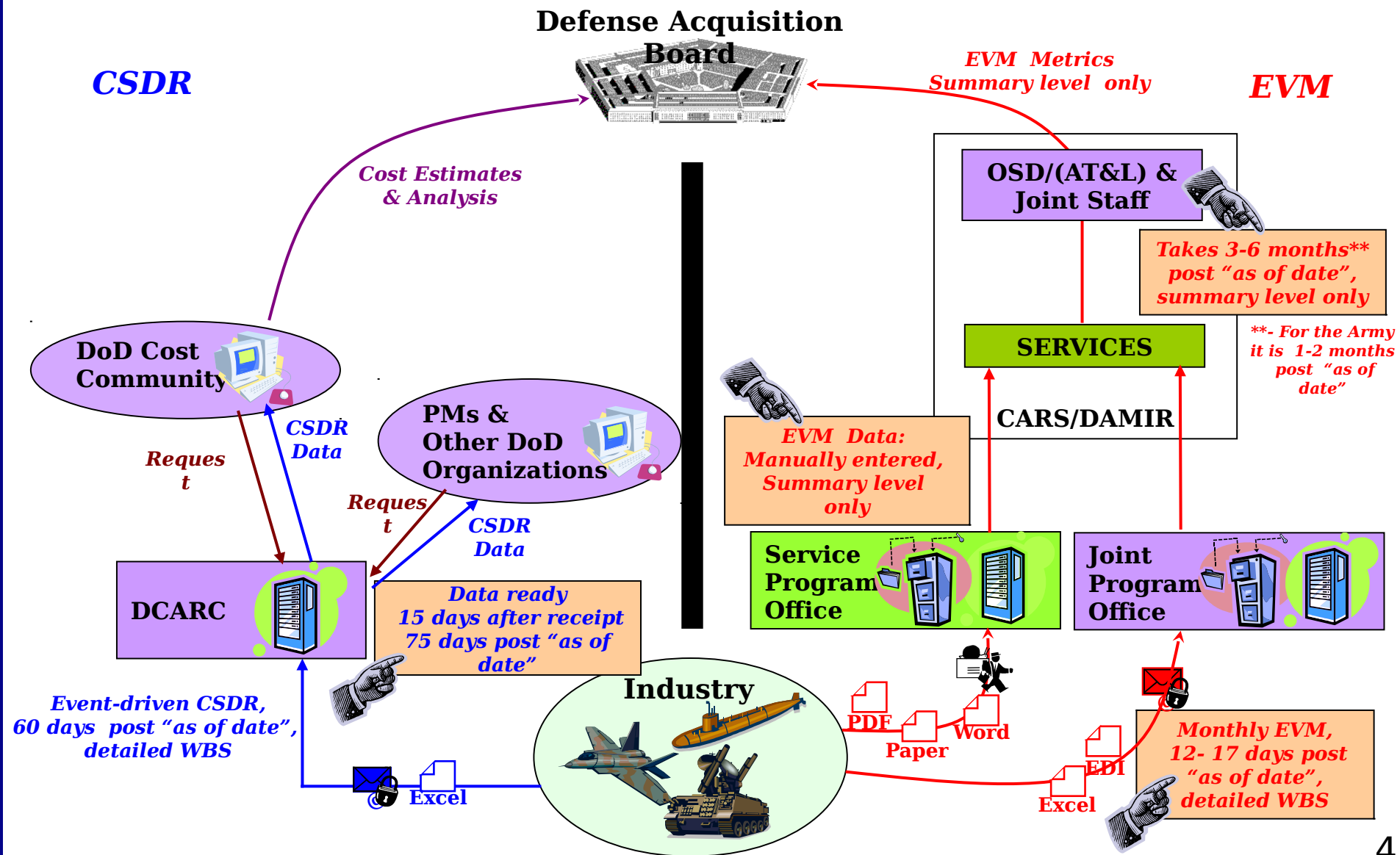
Director

May 16, 2007

Agenda

- Overview of Central Repository (CR) Pilot
- Overview of Review Process
- Planned DAMIR Interface
- CR/DAMIR Interface Options
- Conclusion

Central Repository Pilot

- Objective:
  - Demonstrate and evaluate the feasibility of implementing an automated Central Repository (CR) that provides for the centralized reporting, collection, and distribution for Key Acquisition Data, starting with Contract Performance Reports (CPRs).

- Develop and implement test policies and procedures to evaluate:
  - Complete, accurate, timely, and secure transfer of electronic data from the contractor to the CR.
  - Secure and controlled warehousing of data in the CR.
  - Controlled, timely, and secure access to data by authorized users.
  - Business rules that govern reporting, access, and availability of data.
  - Estimated workload impact and required resources to implement CR.

- Goal:
  - Develop a set of business rules for possible DoD-wide implementation that are supported by a consensus of the CR participants.
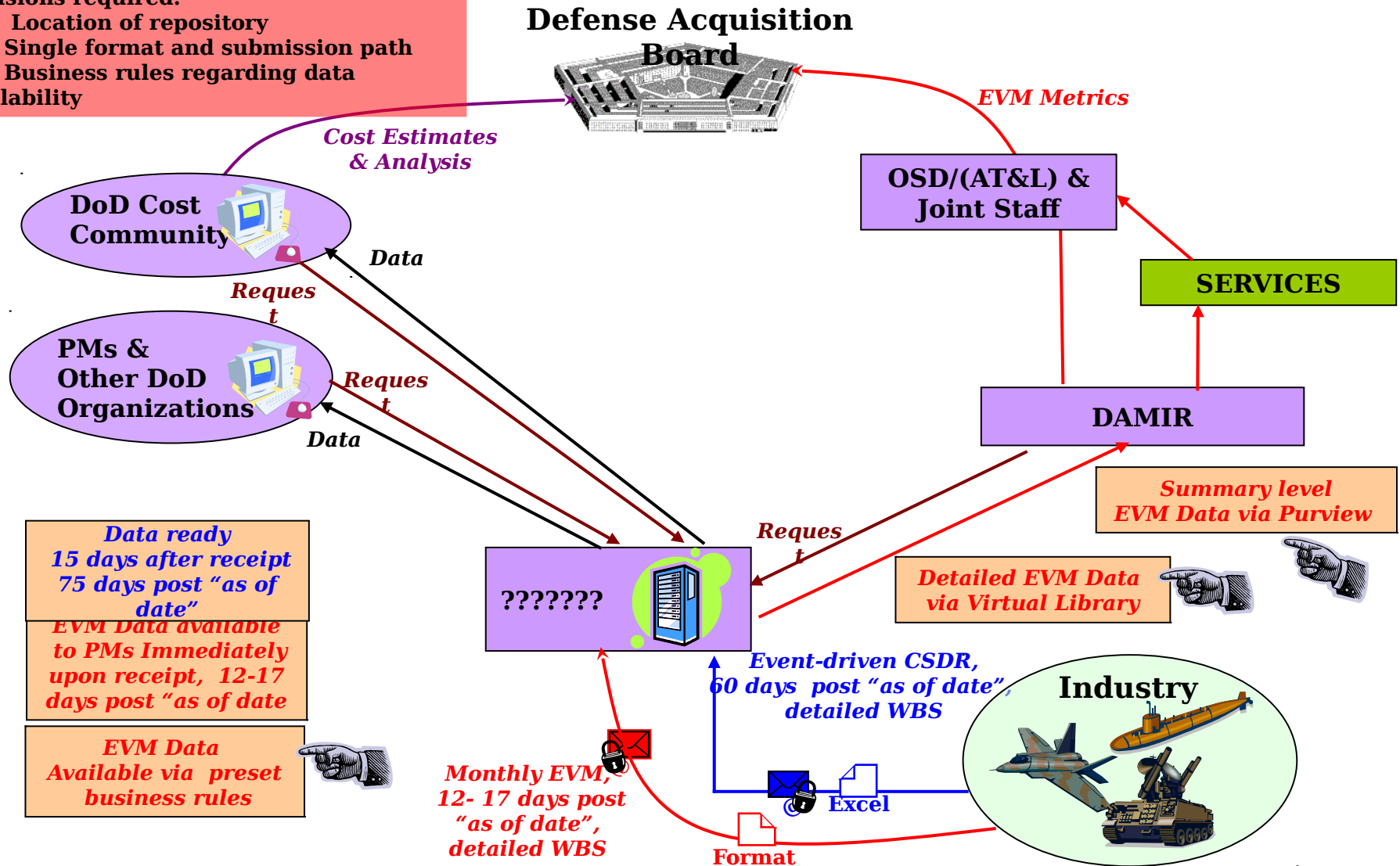
CSDR and EVM Reporting: Current Status

DCARC

Defense Acquisition Board

CSDR

EVM

EVM Metrics Summary level only

Cost Estimates & Analysis

OSD/(AT&L) & Joint Staff

*Takes 3-6 months** post "as of date", summary level only*

***- For the Army it is 1-2 months post "as of date"*

DoD Cost Community

SERVICES

Request

CSDR Data

CARS/DAMIR

PMs & Other DoD Organizations

EVM Data: Manually entered, Summary level only

Request

CSDR Data

DCARC

Data ready 15 days after receipt 75 days post "as of date"

Service Program Office

Joint Program Office

Event-driven CSDR, 60 days post "as of date", detailed WBS

Industry

PDF

Word

Paper

EDI

Monthly EVM, 12- 17 days post "as of date", detailed WBS

Excel

Excel

CSDR and EVM Reporting: Improved Model

Decisions required:
1. Location of repository
2. Single format and submission path
3. Business rules regarding data availability

Defense Acquisition Board

Cost Estimates & Analysis

EVM Metrics

OSD/(AT&L) & Joint Staff

DoD Cost Community

SERVICES

Data

Request

PMs & Other DoD Organizations

Request

Data

DAMIR

Request

Summary level EVM Data via Purview

Data ready 15 days after receipt 75 days post "as of date"

???????

Detailed EVM Data via Virtual Library

EVM Data available to PMs Immediately upon receipt, 12-17 days post "as of date

Event-driven CSDR, 60 days post "as of date", detailed WBS

Industry

EVM Data Available via preset business rules

Monthly EVM, 12- 17 days post "as of date", detailed WBS

Excel

Format

Summary Of Review Process

- Select Document To Review

Summary Of Review Process

- Document Detail Summary

Document Detail

Back

Details for Document: 181

Contract Information

Program Name: XYZ Test Program	**Program Manager:** John McGahan	**Location:** Tacoma WA
Contract Number: Test Contract Number	**Contractor Name:** Bell Helicopter Textron, Inc.	**Contractor Division:** N/A
Sub Contract Number:	**Sub Contractor Name:**	**Sub Contractor Division:**
Military Handbook: AIRCRAFT	**Service:** AIR FORCE	
Weapon System Type: Transport	**Contract Type:** CPAF	
Contract Tasks: Task 1		

Document Information

Document Task: Task 1	**Submission Event:** June 07 with CFSR	**Expected As Of Date:** 6/12/2007	**Expected Submission Date:** 6/27/2007
Docuement ID: 181	**Historical PM:** John McGahan	**As Of Date:** 6/4/2007	**Submission Date:** 5/4/2007
Resubmit: No	**Status:** Pending	**Status Set By:** John McGahan	**Status Set Date:** 5/4/2007
Submitter Name: John McGahan	**Submitter Comment:** dsfds		

Point of Contact Information

Name: John McGahan   **Phone:** 2537561178

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EVM CR Review Process

- Prepare DAMIR Inputs During Review.

Prepare DAMIR Submission

DAMIR Interface

- Select file to process
  - not necessary once EVM submissions include only one TRN or XML file).
- Review File Data

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DAMIR Interface

- Review/Enter Detailed Submission Data

DAMIR Interface

- Review Data
- Submit To DAMIR
- Revoke DAMIR Submission

DAMIR Fields / CPR Mapping

• Page 1 or 2

	DAMIR Submission Information				
	DAMIR Field Name:	**Last Submission**	**From Uplaoded File**	**Current Submission**	**CPR Field**
3	Program Name:		XYZ Test Program	XYZ Test Program	
4	Program PNO:	xyzPno		XyZPno	
5	Contract Number:		Test Contract Number	Test Contract Number	1.2.b
6	Contract Task:			Task 1	
7	Effort Number:	0		0	
8	Effective Date:	5/4/2007	3/25/2007	6/4/2007	1.4.b
9	Contract Modificiation Number				
10	Modification Date:				
11	Contract Name:				1.2.a
12	Contract Type:		Other Contract Type		1.2.c
13	Government Share:				1.2.d
14	System Name:				1.3.a
15	System Phase:	Development	Development	Development	1.3.b
16	Contractor Name:	contractor		contractor	1.1.a
17	Division Name:	N/A		N/A	1.1.a
18	Award Date:				
19	IBR Date:				
20	Start Date:	1/1/2004	1/1/2004	1/1/2004	3.5.b
21	Definitization Date:	9/30/2004	9/30/2004	9/30/2004	3.5.i
22	Completion Date:	12/31/2010	12/31/2010	12/31/2010	3.5.k
23	Estimated Completion Date:				3.5.b
24	PMSignificantEffortECD:				
25	PMECD:				
26	Original Quantity:				
27	Quantity:				1.5.a
28	Scheduled Delivery:				
29	Delivery:				
30	OriginalNCC:				3.5.a
31	NCC:	15000	15000	15000	3.5.c
32	CBB:	10000	10000	10000	3.5.e
33	Estimate at Completion:	11000	11000	11000	1.6.c.1
34	Best Case EAC:	11000	11000	11000	1.6.a.1
35	Worst Case EAC:	11000	11000	11000	1.6.b.1

DAMIR Fields / CPR Mapping

- Page 2 or 2

	DAMIR Submission Information				
2	DAMIR Field Name:	Last Submission	From Uplaoded File	Current Submission	CPR Field
36	PM EAC:				
37	PM Best Case EAC:				
38	PM Worst Case EAC:				
39	Original Target Price:				
40	Target Price:	15000	15000	15000	1.5.e
41	Estimated Price:	15000	15000	15000	1.5.f
42	PM Estimated Price:				
43	Original Ceiling Price:				
44	Ceiling Price:				1.5.g
45	Estimated Ceiling Price:	15000	15000	15000	1.5.h
46	PM Estimated Ceiling Price:				
47	Performance Report Date:	3/25/2007	3/25/2007	3/25/2007	1.4.b
48	Performance Report Type:	CPR		CPR	
49	Performance Completion Date:	12/31/2010			3.5.j
50	Total Allocated Budget:	15000	15000	15000	3.5.f
51	Budget at Completion:		15000	15000	1.8.e.14
52	Performance EAC:		15000	15000	1.8.e.15
53	Budgeted Cost for Work Scheduled	12000	11000	11000	1.8.e.7
54	Budgeted Cost for Work Performed:		15000	15000	1.8.e.8
55	Actual Cost of Work Performed:		15000	15000	1.8.e.9
56	Over Target Baseline Date:				1.5.i
57	BAC Adjustment:		0		1.8.e.13
58	SV Adjustment:		0		1.9.a.10
59	CV Adjustment:			0	1.9.a.11
60	File Notes:	This is the latest winsight data.			5.5
61	Notes:	This is the latest winsight data.			

EVM CR/DAMIR Interface Options

- Current Concept Of Operation/Plan
  - CPR submitted to repository
  - Reviewers reviews submission for correctness
  - Reviewers prepares DAMIR submission
    - CPR (TRN or XML) parsed automatically and mapped into appropriate DAMIR fields
    - DAMIR fields not from CPR manually entered
      - Prior months DAMIR inputs available and automatically carried forward as default values.
  - Lead review complete/publish submission
    - Final review
    - Notify managerial oversight (e.g., PEO)
    - Publish submission to DAMIR and EVM CR.

EVM CR/DAMIR Interface Options

- Alternative Concept Of Operation
  - CPR submitted to repository
  - Reviewers reviews submission for correctness
  - Lead review complete/publish submission
    - Final review
    - Notify managerial oversight (e.g., PEO)
    - Publish submission to EVM CR.
  - Once published to EVM CR
    - CPR (TRN or XML) parsed automatically and mapped into appropriate DAMIR fields.
    - DAMIR fields not from CPR left blank.
    - Automatic submission to DAMIR

EVM CR/DAMIR Interface Options

- Alternative Concept Of Operation (continued)
  - EVM CR Reviewer would be able to review data from CPR extracted for DAMIR submission
    - This could be used as a CPR viewer (for TRN/XML) data without needing a 3rd party tool (for example reviewing level 3 data via browser)
  - Extracted CPR data would be available in DAMIR immediately after CPR published to EVM CR.
    - Could be forwarded to service-specific systems as well.
    - Service-specific systems could fill in missing DAMIR data and resubmit to DAMIR.
      - DAMIR provides web-service to retract a submission
      - Service-specific system could will in remaining DAMIR data, retract the EVM CR DAMIR submission, and resubmit the complete record.

Summary

- Underlying requirements of CR
  - Complete, accurate, timely, and secure transfer of electronic data from the contractor to the CR.
  - Secure and controlled warehousing of data in the CR.
  - Controlled, timely, and secure access to data by authorized users. *This includes DAMIR, DASHBOARD, SMART, and AIM.*
  - Business rules that govern reporting, access, and availability of data. *This includes DAMIR, DASHBOARD, SMART, and AIM.*
  - Estimated workload impact and required resources to implement CR.
- CR working toward a complete "DAMIR" submission
- CR can accommodate any number of DAMIR interfaces

- ***AT&L, Army, Navy, and Air Force need to supply the CR team with their desires***